transmissive ceiling, the floor and the optically transmissive ceiling being substantially parallel to one another.

31. The flow chamber of claim 30 wherein said floor has a plurality of parallel ridges disposed parallel to a longitudinal axis of said flow chamber and spaced so that said microparticles in said planar cavity form rows between the parallel ridges.

32. The flow chamber of claim 31 wherein said microparticles each have a diameter, the diameter being substantially the same for all of the microparticles, and wherein said optically transmissive ceiling and said floor are separated by a distance of between about 120 to 150 percent of the diameter of said microparticles.

33. The flow chamber of claim 32 wherein said monolayer is a closely packed planar array.

34. The flow chamber of claim 33 wherein said closely packed planar array either contains at least eighty percent of a number of microparticles per unit area in a hexagonal array of microparticles, or has microparticles having an average distance between centers of adjacent microparticles of less than two microparticle diameters.--

REMARKS

Entry of the present amendment prior to examination is respectfully requested. By this amendment, claims 30-34 have been added. These new claims are directed to a flow chamber as an article of manufacture and are supported by the original application disclosure in at least the following locations: p.5 through p.12, line 9. No new matter has been added.